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SOLVERS



Business area: Transportation
Requirements: On track to achieve a minimum of a 2.2 Bachelors/BEng degree or 2.2 Masters/MEng in Electrical Engineering, Electronic Engineering, Power Engineering, Astrophysics, Physics, Renewable Energy, Building Services
Our teams and what they do
Rail Industrial placement locations: Birmingham, Croydon, Derby, Glasgow, York <p>Our teams work on a broad array of projects within the rail and highways markets from flagship projects such as HS2, East West Rail, Sizewell C to essential maintenance and renewal projects with Network Rail, National Highways and local authorities. Opportunities also exist to support other sectors within the Atkins business including, Infrastructure, Energy, Nuclear and Defence.</p> <p>You'll join one of our design teams and gain technical experience of power and distribution systems (Low Voltage and High Voltage), lighting design and specialist systems engineering skills such as Earthing & Bonding and Electromagnetic Compatibility (EMC). To start, you will work within a technical role, working with industry leaders and undertaking a variety of day-to-day project related tasks including:</p> <ul style="list-style-type: none">• Technical report writing.• Site surveys.• Preparation of technical design drawings using computer aided modelling.• Modelling electrical systems using specialised software (Trimble, ETAP, Dialux, Lighting Reality, ERACS, PSpice, Matlab).• Applying electrical and physics fundamental theory to solve engineering problems.• Applying sustainable thinking and methods to all projects to help Atkins and our clients attain their Net Zero pledges. <p>We design electrical systems across the network including stations and depots, as well as the lineside infrastructure which powers trains, track and signals, ensuring that they are integrated to provide a safe and reliable rail network. We also design public realm, highway and interior lighting systems.</p>
To apply, please return to the main job specification